PROCEDURES FOR ALIGNMENT OF THE CHIP COMPARATOR

1-A Throw Auto Compensation Switch (located on middle of Digitizers Front panel to OFF position).

1-B Disconnect pendent cable only on Digitizer Plug in Card by removing plug from chassis socket. This can be done with power on.

2. After required warm up time (Use Ready lights) set system/up as follows:

With Axis removing, set signals to 1.5VPP (Ch A, B, C,) and set adjust for + 8V (again channel A, B, C,) These settings made around + or - 2". STAT

3. Set [ ] Triggers for 50/50 duty cycle (Use [ ] VOM STAT set for -10.5V @ -2" or +2" Axis in motion

4. On rear top of Digitizers are two potentiometers in line Marked (A) & (B) with test Jacks along side. Set these two parts to -12 V + .2V. (These are the reference adjustments for the Auto STAT [ ] Trigger compensation.)

5. Plug in pendent cable.

6. Throw Auto Compensation switch to ON

7. Axis being adjusted over full range

8. Axis now ready for operation.

Follow above for X AND Y AXIS

The system can be utilized in two ways.

(A) It can be left in Auto - In this case every time the respective drive motor is run error correction will take place.

(B) Place systems in Auto. Run axis overfull range (4 1/4") error correction take place. Put Auto system off. The servo correction at the motor drive potentiometer will act as a surplus memory and will hold the bars on the differential Augs stage to its last measured value. ~~If manual operation is~~ This should be done each morning for a days operation. If manual operation is desired throw Auto servo OFF. Align procedure for Manual operation. Septs 1-2&3 only. (Steps)

The Auto correction motors receive their power (AC) from the respective Axis drive motors through a 3 sec. time delay relay.

A The Auto switch disconnects the power to the correction ~~mter~~ motors. The time delay relay is Univeral [redacted] is at is stable level before correction is applied.

STAT